

Катедра по химични науки
4004 Пловдив, бул. Братя Бъкстон 120
тел: 032 20 07 51
e-mail: chemical.sciences@ff.mu-plovdiv.bg



Department of Chemical Sciences
120 Bratya Buxton Str., 4004 Plovdiv
Phone: 00359 32 20 07 51
e-mail: chemical.sciences@ff.mu-plovdiv.bg

Syllabus

of the practical course in organic chemistry for students in pharmacy – second year, III (winter) semester, academic 2026/2027

Practical № 1: 15 – 25.09.2026

Laboratory equipment. Basic laboratory techniques. Methods for separation and purification of solid compounds. Recrystallization. Sublimation.

Practical № 2: 28.09 – 09.10.2026

Methods for separation and purification of liquids. Types of distillation. Extraction and drying.

Practical № 3: 12 – 23.10.2026

Chromatographic methods for purification, isolation, and identification of organic compounds.

Practical № 4: 26.10 – 06.11.2026

Seminar “Principles of the IUPAC nomenclature of organic compounds. Conformational isomerism”. Synthesis of butyl acetate. Calculation of theoretical and practical yield of chemical reactions.

Practical № 5: 09 – 20.11.2026

Seminar “Optical isomerism. Preparation and chemical properties of alkenes and alkynes”. Synthesis of 2-chlorobutane.

Practical № 6: 23.11 – 04.12.2026

Colloquium “Nomenclature, isomerism and properties of hydrocarbons”. Reactions of aromatic electrophilic substitution (S_E). Iodination of salicylamide.

Practical № 7: 07 – 18.12.2026

Seminar “Preparation and chemical properties of alcohols, diols, thioalcohols and phenols”. Oxidation of alcohols – synthesis of cyclohexanone.

Practical № 8: 21 – 29.12.2026

Seminar “Preparation and chemical properties of carbonyl compounds”. Aldol condensation and crotonylation. *Cannizzaro* reaction.

Prepared by:
(Prof. M. Argirova, DSc)
10.09.2026

Head of the Department:
(Prof. K. Gavazov, PhD)